

DERWENT-ACC-NO: 1995-129150  
DERWENT-WEEK: 199517  
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TITLE: Linear image signal generator for mfg. P-type doped  
substrates - has extra shift register and two output  
devices to form same information with delay and 1 line  
and uses differential amplifier to carry out by-line  
subtraction

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PRIORITY-DATA: 1978SU-2637860 (July 7, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 740085 A1	July 30, 1994	N/A	003	H01L 029/796

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 740085A1	N/A	1978SU-2637860	July 7, 1978

INT-CL (IPC): H01L027/10, H01L029/796

ABSTRACTED-PUB-NO: SU 740085A

BASIC-ABSTRACT:

Separate image receivers (1) are isolated from a 1st displacement register (2) by a transfer closure (3). When the closure (3) is opened, all charges accumulated in the receivers (1) are transmitted in parallel to the 1st displacement register (2). After closing of the closure (3), the receivers (1) begin to accumulate charges of the next line, while the earlier accumulate line of the image is transmitted by register (2) to an output device (4), connected in series with an input device (5) of a 2nd displacement register (6).

Information is transmitted by the 2nd register (6) to the 2nd output device (7) with a delay of 1 line in the 2nd displacement register (6). During a repeated cycle, the 1st and 2nd output devices (4,7) simultaneously read the information passing from the same image receivers (1) but with a shaft by 1 line. The read information passes to a differential amplifier (8), where by-line subtraction is carried out, to eliminate effect of variation of parameters of the receivers.

ADVANTAGE - Elimination of effect of variation of parameters of information receivers. Bul. 14/30.7.94

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: LINEAR IMAGE SIGNAL GENERATOR MANUFACTURE P TYPE DOPE  
SUBSTRATE EXTRA SHIFT REGISTER TWO OUTPUT DEVICE FORM INFORMATION  
DELAY LINE DIFFERENTIAL AMPLIFY CARRY LINE SUBTRACT

DERWENT-CLASS: U13 W04

EPI-CODES: U13-A; W04-M01B;

SECONDARY-ACC-NO:

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